

## INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

ATTY DOCKET NO.  
08CN8803-26SERIAL NO.  
10/063,004

APR 25 2002

Thomas P. Feist, et al.

FILING  
03/11/02

GROUP

## PATENT &amp; TRADES PAPER DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
W	6,183,829	02/2001	DAECHER et al.	428	64.1	
W	6,191,053	2/20/01	CHUN et al.	438	780	6/10/98
W	6,194,045	2/27/01	ANNACONE et al.	428	64.1	11/22/95
W	6,200,633	3/13/01	KITANO et al.	427	240	8/9/99
W	6,225,240	5/1/01	YOU et al.	438	782	11/12/98
W	6,232,247	5/15/01	GORDON et al.	438	780	10/4/99
W	6,248,395	6/19/01	HOMOLA et al.	427	129	5/24/99
W	RE 36,806	08/2000	LANDIN et al.	428	64.1	

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO

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## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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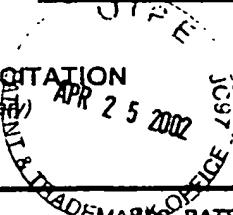
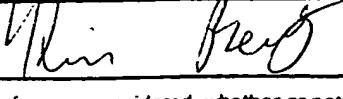
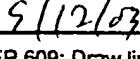
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			FILING 03/11/02		GROUP		
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
WFB		5,242,630	9/7/93	NUIJ et al.	264	1.3	2/18/92
W		5,335,526	8/9/94	GARRISON, deceased et al.	72	47	1/30/92
W		5,395,803	3/7/95	ADAMS	437	229	9/8/93
W		5,409,756	4/25/95	IKEDA et al.	428	64	9/11/92
W		5,427,599	6/27/95	GRESCHNER et al.	65	305	1/11/94
W		5,447,767	09/1995	TANABE et al.	428	64.4	
W		5,452,282	9/19/95	ABRAHAM	369	603	6/15/92
W		5,532,192	7/2/96	ADAMS	437	229	12/14/94
W		5,533,002	7/2/96	ABRAHAM	369	275.3	10/19/92
W		5,552,009	9/3/96	ZAGER et al.	156	220	4/10/95
W		5,626,886	5/6/97	ISHII	425	116	2/21/95
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES
							NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
EXAMINER <i>WFB</i>			DATE CONSIDERED <i>5/12/03</i>				
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<b>PATENT DOCUMENTS</b>							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
146		4,673,602	6/16/87	NAKAYAMA et al.	428	65	6/5/85
11		4,731,155	3/15/88	NAPOLI et al.	156	643	4/15/87
1		4,810,527	3/7/89	GEARY, JR. et al.	427	54.1	9/18/87
1		4,831,244	5/16/89	SLAFER et al.	235	487	10/1/87
1		4,975,327	12/4/90	SOMASIRI et al.	428	409	7/11/89
1		4,987,020	01/1991	BONNEBAT et al.	428	64	
1		5,078,947	1/7/92	NISHIZAWA et al.	264	1.1	9/28/89
1		5,094,796	3/10/92	KATOH et al.	264	313	3/10/92
1		5,094,884	3/10/92	HILLMAN et al.	427	240	4/24/90
1		5,119,259	6/2/92	KIKUCHI	360	135	12/5/90
1		5,188,863	2/23/93	de GRAAF et al.	427	512	12/18/90
<b>FOREIGN PATENT DOCUMENTS</b>							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES      NO
<b>RECEIVED</b> MAY 01 2002 10 1700							
<b>OTHER DOCUMENTS</b> (Including Author, Title, Date, Pertinent Pages, Etc.)							
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Form PTO-1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 08CN8803-26	SERIAL NO. 10/063,004	
Information Disclosure Statement by Applicant <i>(Use several sheets if necessary)</i>  (37 CFR 1.98(b))		APPLICANT Thomas P. Feist, et al.				
		FILING DATE 03/11/02		GROUP		
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	
Y/M/J	4,965,780	10/23/90	Lee, et al. (Abstract)			
W	4,923,942	5/8/90	Takeyama, et al.			
W	4,911,966	3/27/90	Murayama, et al.			
W	4,908,826	3/13/90	Hertrich (Abstract)			
W	4,902,746	2/20/90	Serini, et al.			
W	4,893,910	1/16/90	Birecki			
W	4,885,649	12/5/89	Das (Abstract)			
W	4,845,142	7/4/89	Niwano, et al.			
W	4,841,501	6/20/89	Izuka, et al.			
W	4,809,110	2/28/89	Hertrich (Abstract)			
W	4,741,689	5/3/88	Onizawa, et al.			
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION						
	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION
						YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
						RECEIVED MAY 01 2002 TC 1700
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc. ")						
Y/M/J	DATA Storage on December 02, 1999, Article Date: May, 1999, "Patterned media: Giant step in magnetic storage" (7 pages)					
	DATA Storage on December 02, 1999, Article Date: January, 1999, "Magnetic Recording: the next 100 years" (10 pages)					
W	"Architecture of TeraStor's Near Field Recording Technology, <a href="http://209.24.93.3/tech_info">http://209.24.93.3/tech_info</a> , (8 pages)					
	"Facts About Near Field Recording", <a href="http://www.basis-embh.de">http://www.basis-embh.de</a> , (2 pages)					
Y/M/J	"US HDD Makers Turn to 10-Gbit/Inch <sup>2</sup> Near Field Record", <a href="http://www.nikkeibp.com">http://www.nikkeibp.com</a> , (8 pages)					
	"Facts About Near Field Recording", <a href="http://209.24.93.3/tech_info">http://209.24.93.3/tech_info</a> , (3 pages)					
EXAMINER <i>Y/M/J</i>	DATE CONSIDERED <i>5/12/02</i>					
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(Form PTO-1449 [8-4])

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13 to 25, at 20.

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Information Disclosure Statement by Applicant (Use several sheets if necessary)				08CN8803-26	10/063,004
(37 CFR 1.98(b))		APPLICANT		Thomas P. Feist, et al.	
		FILING DATE		GROUP	
		03/11/02			

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
111	5,855,746	1/5/99	Prabhakara, et al.			
111	5,814,400	9/29/98	Kirino, et al.			
111	5,789,756	8/4/98	Guzik			
111	5,729,393	3/17/98	Lee, et al.			
111	5,689,480	11/18/97	Kino			
111	5,666,237	9/9/97	Lewis (Abstract)			
111	5,590,115	12/31/96	Kubo			
111	5,585,159	12/17/96	Miyake, et al.			
111	5,583,705	12/10/96	Ziperovich, et al. (Abstract)			
111	5,537,034	7/16/96	Lewis (Abstract)			
111	5,533,001	7/2/96	Watanabe, et al.			

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
111	6-187683		Japan				
111	6-4916		Japan				
111	6-12715		Japan				
111	6-4908		Japan				
111	6-20316		Japan				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)\*

111		Thermoplastic Composites Reinforced With Melt Processable Glass", R.T. Young and D.G. Baird (5 pages)
		Philips Research - Digital Video Recorder, <a href="http://www.research.philips.com/pressmedia/highlights">http://www.research.philips.com/pressmedia/highlights</a> (2 pages)
111		Maxell Device: DVD-RAM, <a href="http://www.maxell.co.jp/eng/device/dvd-ram/profile.html">http://www.maxell.co.jp/eng/device/dvd-ram/profile.html</a> (2 pages)
		AV & Development Center, <a href="http://www.pioneer.co.jp/crdl/av.html">http://www.pioneer.co.jp/crdl/av.html</a> (1 page)
111		Near Field Recording - NFR, <a href="http://www.nswc.navv.mil/cosip/nov98">http://www.nswc.navv.mil/cosip/nov98</a> (5 pages)
		Technical Info, <a href="http://209.24.93.3/tech_info/backgrounder.html">http://209.24.93.3/tech_info/backgrounder.html</a> (3 pages)

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111	5/11/03

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		FILING DATE 03/11/02	GROUP		

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
MM	5,515,346	5/7/96	Watanabe, et al.			
11	5,493,454	2/20/96	Ziperovich, et al. (Abstract)			
7	5,490,131	2/6/96	Ohta, et al.			
7	5,489,774	2/6/96	Akamine, et al. (Abstract)			
11	5,470,627	11/28/95	Lee, et al.			
11	5,453,168	10/26/95	Nelson, et al.			
4	5,392,263	2/21/95	Watanabe, et al.			
4	5,379,439	1/3/95	Harrison, et al.			
4	5,354,985	10/11/94	Quate (Abstract)			
41	5,354,517	10/11/94	Yamasaki, et al.			
4	5,311,376	5/10/94	Joan, et al.			

## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
11b	WO 8706385	10/22/87	World Organization (Abstract)				
11	06309714JP A	11/04/94	Japan (Abstract)				
11	06162583JP A	6/10/94	Japan (Abstract)				
11	06158281JP A	6/07/94	Japan (Abstract)			MAY 01	
11	06150419JP A	5/31/94	Japan (Abstract)			TO 1700	2002

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4		Strategic Partners Home, <a href="http://209.24.93.3/partners/index.html">http://209.24.93.3/partners/index.html</a> (1 page)					
		TeraStor, <a href="http://www.terastor.com/news/">http://www.terastor.com/news/</a>	(6 pages)				
4		The era of giant magnetoresistive heads,					
		<a href="http://www.storage.ibm.com/hardsol/diskdrd/technolo/gmr/">http://www.storage.ibm.com/hardsol/diskdrd/technolo/gmr/</a>	(16 pages)				
4		Chp 3: Emerging Optical Storage Technologies, <a href="http://itri.loyola.edu/opts/c3_s5.htm">http://itri.loyola.edu/opts/c3_s5.htm</a>	(4 pgs)				
		Chp 3: Optical Storage in the Future, <a href="http://itri.loyola.edu/">http://itri.loyola.edu/</a>	(2 pages)				
		Chp 3: Overview of Optical Storage Systems, <a href="http://itri.loyola.edu/">http://itri.loyola.edu/</a>	(4 pages)				

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(37 CFR 1.98(b))		APPLICANT		Thomas P. Feist, et al.	
		FILING DATE		GROUP	
		03/11/02			

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
JMB	5,309,303	5/3/94	Hsia, et al.			
"	5,296,528	3/22/94	Lütjens, et al.			
"	5,242,761	9/7/93	Uchiyama (Abstract)			
"	5,230,025	7/20/93	Fishbine, et al.			
"	5,202,880	4/13/93	Lee, et al.			
"	5,199,090	3/30/93	Bell			
"	5,193,039	3/9/93	Smith, et al. (Abstract)			
"	5,191,563	3/2/93	Lee, et al. (Abstract)			
"	5,178,926	1/12/93	Tanaka, et al.			
"	5,177,656	1/5/93	Hughes			
"	5,171,585	12/15/92	Onisawa, et al.			

## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

	DOCUMENT NUMBER	PUBLICATION DATE*	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION
						YES NO
JMB	06119668JP A	4/28/94	Japan (Abstract)			
"	06004908JP A	1/14/94	Japan (Abstract)			
"	06004916JP A	1/14/94	Japan (Abstract)			
"	06187683JP A	7/08/94	Japan (Abstract)			
"	06020316JP A	1/28/94	Japan (Abstract)			

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	Chp 3: Comparison of Japanese and U.S. R&D, <a href="http://itri.loyola.edu/">http://itri.loyola.edu/</a> (1 page)	
	"Learning and Process Improvement during Production Ramp-Up", Christian Terwiesch and Roger E. Bohn, The Wharton School, University of California San Diego, August 6, 1998 (33 pages)	
"Magnetic Storage Research Aiming at High Areal Densities", R&D Magazine, Dec. 1998 (6 pages)		
The WTEC High Density Data Storage Study, <a href="http://itri.loyola.edu/">http://itri.loyola.edu/</a> (2 pages)		
"Characterization of Magnetizing Process for Pre-Embossed Servo Pattern of Plastic Hard Disks", Shoji Tanaka et al., IEEE Transactions on Magnetics, Vol.30, No. 6, Nov. 1994 (3 pages)		
Dispersed Concentration, David McKendrick, Report 98-03, November, 1998, <a href="http://www-irps.ucsd.edu/~sloan/papers">http://www-irps.ucsd.edu/~sloan/papers</a> (16 pages)		

EXAMINER	DATE CONSIDERED
JMB	5/12/02

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				FILING DATE	GROUP		
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
Wu		5,094,925	3/10/92	Ise, et al.			
"		5,093,174	3/3/92	Suzuki, et al.			
1		5,087,340	2/11/92	Onagi, et al.			
"		5,063,096	11/5/91	Kohara, et al.			
4		5,059,473	10/22/91	Takahashi, et al.			
"		5,018,128	5/21/91	Goldberg			
"		5,014,259	5/7/91	Goldberg, et al.			
"		5,002,706	3/26/91	Yamashita			
"		4,999,234	3/12/91	Cowan			
"		4,986,938	1/22/91	Izuka, et al.			
"		4,983,335	1/8/91	Matsuo, et al.			
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION							
		DOCUMENT NUMBER	PUBLICATION DATE*	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION YES NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.**)							
Wu		"Patterned Media: A Viable Route to 50 Gbit/in <sup>2</sup> and up for Magnetic Recording?", Robert J. White et al., IEEE Transactions on Magnetics, vol. 33, no. 1, Jan. 1997, p.990-995					
		DATA Storage on December 02, 1999, Article Date: September, 1998, "Patterned media: 200 Gb/in <sup>2</sup> or bust" (10 pages)					
1		DATA Storage on December 06, 1999, Article Date: September, 1997, "Patterned media promise superhigh storage densities" (10 pages)					
		"Recording Characteristics of Submicron Discrete Magnetic Tracks", S.E. Lambert et al., 1987 IEE, pages 3690-3692					
1		"Direct nanoimprint of submicron organic light-emitting structures", Jian Wang et al, 1999 Appl. Phys. Lett., Vol. 75, No. 18, 1 November 1999, pages 2767-2769					
		"Lithographically induced self-construction of polymer microstructures for resistless patterning", Stephen Y. Chou et al., Appl. Phys. Lett., Vol. 75, No. 7, August 1999, p 1004-1005					
EXAMINER <i>Wu</i>				DATE CONSIDERED <i>5/12/03</i>			
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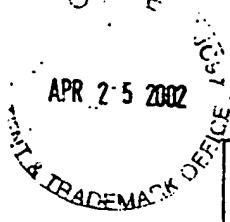
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HP	5,161,134	11/3/92	Lee (Abstract)			
·1	5,159,511	10/27/92	Das (Abstract)			
·1	5,143,797	10/1/92	Hashima, et al.			
·1	5,137,991	8/11/92	Epstein, et al.			
·1	5,118,771	6/2/92	Inoue, et al.			
·1	5,112,701	5/12/92	Katsuragawa			
·1	5,112,662	5/12/92	Ng (Abstract)			
·1	5,109,377	4/28/92	Yamamoto, et al.			MAY 01 2002
·1	5,106,553	4/21/92	Onisawa, et al.			TC 1700
·1	5,100,741	3/31/92	Shimoda, et al.			
·1	5,097,370	3/17/92	Hsia			

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## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

	DOCUMENT NUMBER	PUBLICATION DATE*	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
HP	06012715JP A	1/21/94	Japan (Abstract)				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.\*\*)

HP		Proposal to the Alfred P. Sloan Foundation from The Graduate School of International Relations and Pacific Studies and The Center For Magnetic Recording Research, Feb. 19, 1998, <a href="http://www-ipps.ucse.edu/~sloan/papers/sloanprop98.html">http://www-ipps.ucse.edu/~sloan/papers/sloanprop98.html</a> (27 pages)
		"Use of high performance resins for the planarization of magnetic rigid disk substrates", IEEE Transactions on Magnetics (Nov. 1991), vol.27, no.6, pt.2, p.5175-7 (Abstract) (1 page)
·1		"Planarizing coating using PMR polyimides (magnetic recording discs)", IBM Technical Disclosure Bulletin (Oct. 1982) vol.25, no.5, p.2453-4 (Abstract)
		"Nanoimprint lithography", Stephen Y. Chou et al., 1996 American Vacuum Society p.4129-4133
·1		"Imprint of sub-25 nm vias and trenches in polymers", Stephen Y. Chou et al., 1995 American Institute of Physics, p.3114-3116
		"Nano-compact disks with 400 Gbit/in <sup>2</sup> storage density fabricated using nanoimprint lithography and read with proximal probe", Peter R. Krauss et al, 1997 American Institute of Physics, p. 3174-3176

EXAMINER	HP	DATE CONSIDERED	5/12/03
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

(Form PTO-1449 (8-4))

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Page 13 of 16

Form PTO-1449 (Modified)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 08CN8803-26	SERIAL NO. 10/063,004
Information Disclosure Statement by Applicant <i>(Use several sheets if necessary)</i>		APPLICANT Thomas P. Feist, et al.	
(37 CFR 1.98(b))		FILING DATE 03/11/02	GROUP

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
10/19	4,726,998	2/23/88	Ikenaga, et al.			
"	4,719,171	1/12/88	Ikenaga, et al.			
"	4,658,392	4/14/87	Langowski, et al.			
"	4,656,546	4/7/87	Mallory (Abstract)			
"	4,622,284	11/11/86	West, et al. (Abstract)			
"	4,596,740	6/24/86	Tsukane			
"	4,596,739	6/24/86	Piltingsrud, et al.			
"	4,569,871	2/11/86	Ohmori, et al.			
"	4,503,420	3/5/85	Rub, et al. (Abstract)			
"	4,441,179	4/3/84	Slaten			
"	4,415,942	11/15/83	Frosch, et al.			

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## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE*	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION YES <input type="checkbox"/> NO <input type="checkbox"/>

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.\*\*)


EXAMINER <i>Thru Ruy</i>	DATE CONSIDERED <i>5/12/03</i>
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Form PTO-1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 08CN8803-26	SERIAL NO. 10/063,004		
Information Disclosure Statement by Applicant  (37 CFR 1.98(b))		(Use several sheets if necessary)		APPLICANT Thomas P. Feist, et al.			
				FILING DATE 03/11/02	GROUP		
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
HW		4,515,828	5/07/85	Economy (Abstract)			
u		5,723,033	3/03/98	Weiss			
u		5,907,448	5/25/99	Watanabe, et al.			
l		4,877,666	10/31/89	Muchnik, et al. (Abstract)			
u		4,896,292	1/23/90	Eich, et al. (Abstract)			
u		4,911,967	3/27/90	Lazzari (Abstract)			
u		4,964,934	10/23/90	Gregg (Abstract)			
u		4,975,358	12/04/90	Sommenschein, et al. (Abstract)			MAY 01 200
l		5,018,962	5/28/91	Kitamura, et al. (Abstract)			10/17/00
u		5,068,065	11/26/91	Maus, et al. (Abstract)			
u		5,096,563	3/17/92	Yoshizawa, et al. (Abstract)			
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION							RECEIVED
		DOCUMENT NUMBER	PUBLICATION DATE*	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION YES NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)*							COPY OF ORIGINAL FILED
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13 to 25 at 20.

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Form PTO-1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 08CN8803-26	SERIAL NO. 10/063,004	
Information Disclosure Statement by Applicant <i>(Use several sheets if necessary)</i> (37 CFR 1.98(b))		APPLICANT Thomas P. Feist, et al.				
		FILING DATE 03/11/02		GROUP		
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS FILING DATE IF APPROPRIATE	
W	5,120,603	6/09/92	Schmidt (Abstract)			
Y	5,164,465	11/17/92	Epstein, et al. (Abstract)			
Y	5,267,112	11/30/93	Batra, et al. (Abstract)			
Y	5,276,098	1/04/94	Kohara, et al. (Abstract)			
Y	5,582,891	12/10/96	Murakami, et al. (Abstract)			
Y	5,585,989	12/17/96	Kuromiya, et al. (Abstract)			
Y	5,669,995	9/23/97	Hong (Abstract)			
Y	5,751,452	5/12/98	Tanaka, et al. (Abstract)			
Y	5,804,017	9/08/98	Hector (Abstract)			
Y	5,807,498	9/15/98	Gibbons, et al. (Abstract)			
Y	5,808,830	9/15/98	Stefansky, et al. (Abstract)			
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EXAMINER <i>Wm. Petty</i>						
EXAMINER	DATE CONSIDERED				S112/103	
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.						

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Form PTO-1449 (Modified)	U. S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 08CN8803-26	SERIAL NO. 10/063,004
<b>Information Disclosure Statement by Applicant</b> <i>(Use several sheets if necessary)</i>		<b>APPLICANT</b> <b>Thomas P. Feist, et al.</b>	
<i>(37 CFR 1.98(b))</i>		<b>FILING DATE</b> <b>03/11/02</b>	<b>GROUP</b>

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**OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)**


EXAMINER <i>Chris Prey</i>	DATE CONSIDERED <i>5/12/03</i>
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\*\* "The place of publication refers to the name of the journal, magazine or other publication in which the article was published...." Notice of January 9, 1992, 11  
2d at 25, 1st 20.

<b>INFORMATION DISCLOSURE CITATION</b> <small>(Use several sheets if necessary)</small>				ATTY DOCKET NO. 08CN8803-.	SERIAL NO. 10/063,004	
				Feist et al.		
				FILING March 11, 2002	GROUP 1713	
<b>U.S. PATENT DOCUMENTS</b>						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
1/18	4,742,420	5-3-88	Oishi	360	135	
1/	4,816,351	3-28-89	Takagi et al.	428	694	
1/	5,292,550	3-8-94	Fujii et al.	427	165	
1/	5,504,638	4-2-96	Kinoshita et al.	360	98.08	
1/	5,741,403	4-21-98	Tenhover et al.	204	192.2	
1/	5,987,004	11-16-99	Suwabe	369	290	
1/	6,027,801	2-22-00	Maro et al.	428	332	
1/	6,214,429 B1	4-10-01	Zou et al.	428	64.1	
1/	6,433,964 B1	8-13-02	Chang	360	133	
1/	2001/0022705 A1	9-20-01	Mori et al.	360	135	
1/						
<b>FOREIGN PATENT DOCUMENTS</b>						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
						YES
1/18	JP2-96919	4-9-90	Japan			✓
1/	JP2-96921	4-9-90	Japan			✓
1/	JP61-131232	6-18-86	Japan			✓
1/	JP61-242327	10-28-86	Japan			✓
1/	JP61-92814	5-10-86	Japan			✓
<b>OTHER DOCUMENTS</b> (Including Author, Title, Date, Pertinent Pages, Etc.)						
	Derwent Abstract, JP02096919A, April 9, 1990.					
	Derwent Abstract, JP02096921A, April 9, 1990.					
EXAMINER <i>1/18 bkg</i>			DATE CONSIDERED <i>5/12/03</i>			
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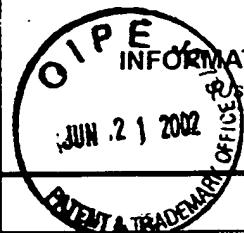
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			Feist et al.			
FILING March 11, 2002			GROUP 1713			
U.S. PATENT DOCUMENTS						
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FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES      NO
1/13	JP62-124625	6-5-87	Japan			✓
11	JP62-134836	6-17-87	Japan			✓
11	JP61-105725	5-23-86	Japan			✓
11	S63-205817	8-25-88	Japan			✓
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)						
Derwent Abstract, JP61092814A, May 10, 1986.						
Derwent Abstract, JP61242327A, October 28, 1986.						
EXAMINER	DATE CONSIDERED 5/12/03					
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.						

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<b>01 INFORMATION DISCLOSURE CITATION</b> <small>(Use several sheets if necessary)</small>				ATTY DOCKET NO.	SERIAL NO.			
				08CN8803	10/063,004			
<b>FEIST, ET AL.</b> <b>FILING</b> <b>MARCH 11, 2002</b>				<b>GROUP</b> <b>1213</b>				
<b>U.S. PATENT DOCUMENTS</b>								
EXAMINER	TRADEMARK OFFICE	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
<i>Muf</i>	1	5,902,172	05/11/99	Utashiro (Abstract)			<i>10/11/00</i>	
<i>ll</i>	2	5,900,126	05/04/99	Nelson, et al. (Abstract)				
<i>g</i>	3	5,897,578	03/09/99	Chung, et al. (Abstract)				
<i>h</i>	4	5,874,376	02/23/99	Taguchi, et al. (Abstract)				
<i>g</i>	5	5,871,654	02/16/99	Mannami, et al. (Abstract)				
<i>h</i>	6	5,868,953	02/09/99	Maekawa, et al. (Abstract)				
<i>h</i>	7	5,866,489	02/02/99	Yamaguchi (Abstract)				
<i>h</i>	8	5,855,951	01/05/99	Nelson, et al. (Abstract)				
<i>ll</i>	9	5,846,280	12/08/98	Speit (Abstract)				
<i>h</i>	10	5,831,309	11/03/98	Englisch, et al. (Abstract)				
<i>ll</i>	11	5,811,182	09/22/98	Weir, et al. (Abstract)				
<b>FOREIGN PATENT DOCUMENTS</b>								
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<i>Ku</i>	12	JP 09237437	09/09/1997	Japan			<input checked="" type="checkbox"/>	
<i>ll</i>	13	JP 63205817	25/08/1988	Japan			<input checked="" type="checkbox"/>	
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<b>EXAMINER</b> <i>Thi R</i>				<b>DATE CONSIDERED</b> <i>5/12/03</i>				
<small>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small>								

<b>INFORMATION DISCLOSURE CITATION</b> <small>(Use several sheets if necessary)</small>				ATTY DOCKET NO. 08CN8803	SERIAL NO. 10/063,004		
				FEIST, ET AL.			
				FILING MARCH 11, 2002	GROUP T	RECEIVED JUN 25 2002 1700	
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
14.	5,800,895	09/01/98	Vygovsky, et al. (Abstract)				
15	5,726,108	03/10/98	Taguchi, et al. (Abstract)				
16	5,707,705	01/13/98	Nelson, et al. (Abstract)				
17	5,691,256	11/25/97	Taguchi, et al. (Abstract)				
18	5,681,635	10/28/97	Nelson, et al. (Abstract)				
19	5,663,016	09/02/97	Hong (Abstract)				
20	5,635,269	06/03/97	Weir, et al. (Abstract)				
21	5,629,417	05/13/97	Campbell, et al. (Abstract)				
22	5,626,935	05/06/97	Goto, et al. (Abstract)				
23	5,626,920	05/06/97	Weir, et al. (Abstract)				
24	5,622,816	04/22/97	Maenza, et al. (Abstract)				
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<b>EXAMINER</b> <i>1415</i>			<b>DATE CONSIDERED</b> <i>5/12/03</i>				

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE APPROPRIATE
MM	25 5,567,217	10/22/96	Goto, et al. (Abstract)			10/22/2002 1700
LL	26 5,561,089	10/01/96	Ishizaki, et al. (Abstract)			
LL	27 5,536,549	07/16/96	Nelson, et al. (Abstract)			
LL	28 5,516,899	05/14/96	Campbell, et al. (Abstract)			
LL	29 5,510,164	04/23/96	Best, et al. (Abstract)			
LL	30 5,469,312	11/21/95	Watanabe, et al. (Abstract)			
LL	31 5,468,324	11/21/95	Hong (Abstract)			
LL	32 5,453,961	09/26/95	Brazas (Abstract)			
LL	33 5,441,788	08/15/95	Bloomquist, et al. (Abstract)			
LL	34 5,437,887	08/01/95	Yarkosky, et al. (Abstract)			
LL	35 5,400,317	03/21/95	Strasser, et al. (Abstract)			

## FOREIGN PATENT DOCUMENTS

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## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER	<i>LL</i>	DATE CONSIDERED	<i>5/12/02</i>

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILED DATE IF APPROPRIATE
MM	36 5,391,522	02/21/95	Goto, et al. (Abstract)			TC 11/25/2002
u	37 5,366,542	11/22/94	Yamada, et al. (Abstract)			11/25/2002
u	38 5,234,717	08/10/93	Matsuno, et al. (Abstract)			11/25/2002
u	39 5,226,955	07/13/93	Owaki, et al. (Abstract)			11/25/2002
u	40 5,209,837	05/11/93	Tsuya, et al. (Abstract)			11/25/2002
u	41 5,166,014	11/24/92	Ledieu (Abstract)			11/25/2002
u	42 5,137,617	08/11/92	Helfet, et al. (Abstract)			11/25/2002
u	43 5,131,977	07/21/92	Morizane, et al. (Abstract)			11/25/2002
u	44 5,128,922	07/07/92	Inui, et al. (Abstract)			11/25/2002
u	45 5,108,781	04/28/92	Ranjan, et al. (Abstract)			11/25/2002
u	46 5,091,225	02/25/92	Goto (Abstract)			11/25/2002

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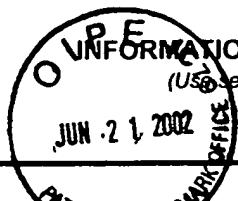
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PLW	47 5,087,481	02/11/92	Chen, et al. (Abstract)			TC 25 2002 1700
U	48 5,084,355	01/28/92	Takahashi, et al. (Abstract)			
Y	49 5,082,728	01/21/92	Miyake, et al. (Abstract)			
Y	50 5,074,971	12/24/91	Tsuya, et al. (Abstract)			
Y	51 5,047,274	09/10/91	Tsuya, et al. (Abstract)			
Y	52 4,996,622	02/26/91	Takatsuki, et al. (Abstract)			
Y	53 4,985,306	01/15/91	Morizane, et al. (Abstract)			
Y	54 4,971,932	11/20/90	Alpha, et al. (Abstract)			
Y	55 4,956,015	09/11/90	Okajima, et al. (Abstract)			
Y	56 4,953,385	09/04/90	Aoki, et al. (Abstract)			
Y	57 4,931,147	06/05/90	Legierse, et al. (Abstract)			

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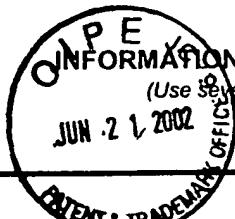
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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
WVB	58 4,925,738	05/15/90	Tsuya, et al. (Abstract)			
"	59 4,920,441	04/24/90	Kimura, et al. (Abstract)			
"	60 4,876,117	10/24/89	Bornstein (Abstract)			
"	61 4,839,244	06/13/89	Tsukamoto (Abstract)			
"	62 4,835,909	06/06/89	Richter, et al. (Abstract)			
"	63 4,825,680	05/02/89	Coe, et al. (Abstract)			
"	64 4,808,455	02/28/89	Wada, et al. (Abstract)			
"	65 4,775,608	10/04/88	Baum, et al. (Abstract)			
"	66 4,737,877	04/12/88	Krongelb, et al. (Abstract)			
"	67 4,719,171	01/12/88	Ikenaga, et al. (Abstract)			
"	68 4,709,361	11/24/87	Dahlstrom, et al. (Abstract)			

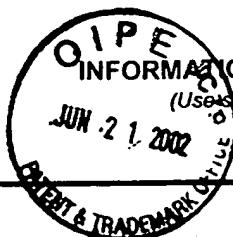
## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER	<i>Wen Bentz</i>	DATE CONSIDERED
		<i>5/12/03</i>

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
1/14/3	69 4,708,919	11/24/87	Shimkunas, et al. (Abstract)			
1/1	70 4,705,566	11/10/87	Senda, et al. (Abstract)			
1/1	71 4,698,716	10/06/87	Lazzari (Abstract)			
1/1	72 4,690,846	09/01/87	Wada, et al. (Abstract)			
1/1	73 4,678,547	07/07/87	Miyamoto, et al. (Abstract)			
1/1	74 4,659,605	04/21/87	Malik, et al. (Abstract)			
1/1	75 4,619,804	10/28/86	Leonard, et al. (Abstract)			
1/1	76 4,590,493	05/20/86	Inoue, et al. (Abstract)			
1/1	77 4,554,655	11/19/85	Kumasaka, et al. (Abstract)			
1/1	78 4,552,820	11/12/85	Lin, et al. (Abstract)			
1/1	79 4,430,387	02/07/84	Nakagawa, et al. (Abstract)			

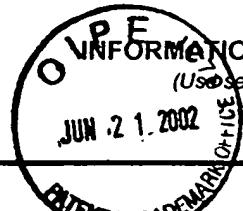
FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER	<i>Kim Berg</i>	DATE CONSIDERED
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W	80 4,419,704	12/06/83	Radman, et al. (Abstract)			
W	81 4,404,238	09/13/83	Baldwin (Abstract)			
W	82 4,402,798	09/06/83	Gorog, et al. (Abstract)			
W	83 4,329,697	05/11/82	Bell (Abstract)			
W	84 4,305,081	12/08/81	Spong (Abstract)			
W	85 4,222,070	09/09/80	Howe, et al. (Abstract)			
W	86 4,206,256	06/03/80	Matthies, et al. (Abstract)			
W	87 4,057,831	11/08/77	Jacobs, et al. (Abstract)			
W	88 5,538,774	07/23/96	Landin, et al.			
W	89 5,585,159	12/17/96	Miyake, et al.			
W	90 5,585,989	12/17/96	Kuromiya, et al.			

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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES.	NO
W	91 CA 2259483	08/01/1998	Canada (Abstract)			✓	
W	92 CA 1323697	26/10/1993	Canada (Abstract)			✓	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

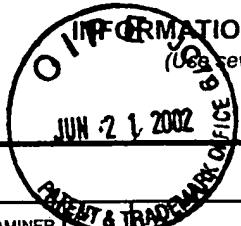

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# Electronic Information Disclosure Statement

## POLY(ARYLENE ETHER) DATA STORAGE MEDIA

Application:



10/063004

Confirmation:

4708

Applicant(s):

Thomas Feist

Docket Number:

08CN8803-26

Group Art Unit:

Examiner:

search string:

(6411457).pn.

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## US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Citation No.	Patent Number	Date	Bar Code	Patentee	Class	Subclass
/	P01	6411457	2002-06-25		Yamashita, et al.	360	73.03

## Signature

Examiner Name	Date
	5/12/03



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Thomas P. Feist, et al.

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## TRADEMARK PENDING PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
PLW	3,198,657	8/3/65	P.D. KIMBALL et al.	117	101	9/17/64
l	4,020,278	4/26/77	CARRE et al.	358	128	10/16/75
l	4,211,617	7/8/80	HUNYAR et al.	204	5	9/21/78
l	4,243,317	1/6/81	GARBE et al.	355	91	6/27/79
l	4,267,212	5/12/81	SAKAWAKI	427	240	9/19/79
l	4,363,844	12/14/82	LEWIS, et al.	428	65	9/20/80
l	4,451,507	5/29/84	BELTZ et al.	427	240	10/29/82
l	4,457,259	7/3/84	SAMUELS	118	705	3/14/83
l	4,514,583	04/1985	IZU et al.	136	259	
l	4,592,939	6/3/86	TEMPLE et al.	428	64	12/4/84
l	4,659,407	4/21/87	LACOTTE et al.	156	196	7/2/84

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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
PLW	WO 00/21689	2/4/00	WORLD ORGANIZATION				✓
l	WO 00/00868	6/1/00	WORLD ORGANIZATION				✓

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